

- 12) PA Historical Society – A “Cultural Resources Notice” has been submitted and comments have been received. No historical or archaeological sites were found. The comments are found in Appendix A-2.

C. Agency Concurrence

Copies of the draft plan have been provided to the Erie County Planning Department, the PA Department of Environmental Protection, and the Erie County Health Department for comment. The alternates have been selected to comply with the Consent Agreement between the PA DEP and Millcreek Township and Sewer Authority. The comments are found in Appendix A-2. The Planning Department concurred without comment. The PA DEP made comments which have been addressed. The inconsistency regarding the 1972 Plan boundaries and the existing service boundary were resolved between Summit and the Great Lakes International Joint Committee so as to allow Great Lakes' water to be removed from the watershed by returning it used to the watershed via the sewer system. The flow agreement discrepancy relates to an interpretation of the source of flow and payment of penalties not sewer or treatment capacity exceedances. Capacity provided for Kearsarge flows has not been exceeded.

D. Applicable Water Quality standards

No discharges to waters of the Commonwealth are contemplated by the alternates presented.

E. Cost Estimates

Cost estimates are provided in Table S-8/XI-1 for the selected alternate options. The calculations of user costs, financing methods, implementation schedules and administrative organizations, and legal authority are found in the chapter on Alternate Selection/Justification. Cost estimates for all the alternates and for the proposed sewer construction and the household back water valves are found in Appendix A-4.

F. Funding Methods

The funding method proposed is through general revenue bonds and increasing the user rates to retire the annual bond payment. Costs should be shared between Summit Township Sewer Authority and Millcreek Township Sewer Authority based on flow percentages each discharge to the station since capacity is needed to accept and properly handle existing storm water flows and future growth found in both municipalities. Since the primary factor effecting the expansion needs is peak flows, the peak flow proportions should determine the shares to be paid by each municipality. Normal or average peaks have produced 77% Millcreek and 23% Summit values. However, instantaneous peaks have been measured at 74% to 75% Millcreek and 26% to 25% Summit.

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TABLE S-8 / XI-1
OPINION OF PROBABLE CONSTRUCTION COSTS
MILLCREEK TOWNSHIP SEWER AUTHORITY
KEARSARGE PUMP STATION

PHASE	ITEM	COST ESTIMATE				
		PHASE 1	PHASE 2			
			ABOVEGROUND		BELOWGROUND	BELOWGROUND
			CAISSONS 500,000 gal.	SPREAD 500,000 gal.	500,000 gal.	1,000,000 gal.
1	Pump/Shaft/Motor (3)	\$150,000				
	Variable Frequency Drives (1) (150 hp)	\$15,000				
	Generator (Gas)	\$160,000				
	SCADA	\$25,000				
	Monitoring Equipment	\$20,000				
	Odor Control	\$210,000				
	SubTotal Phase 1	\$580,000				
2	ORF Tank		\$400,000	\$400,000	\$580,000	\$780,000
	ORF Foundation		\$550,000	\$100,000	\$550,000	\$750,000
	ORF Pump Station Pumps					
	ORF Pump Station Controls					
	ORF Pump Station Piping		\$300,000	\$300,000	\$300,000	\$300,000
	ORF Pump Station Valves					
	ORF Pump Station Structure					
	SubTotal Phase 2		\$1,250,000	\$800,000	\$1,430,000	\$1,830,000
	Contingency (30%)	\$170,000	\$380,000	\$240,000	\$430,000	\$550,000
	TOTAL	\$750,000	\$1,630,000	\$1,040,000	\$1,860,000	\$2,380,000

OPINION OF TOTAL PROJECT COSTS

	PHASE 1 & 2			
	ABOVEGROUND TANK		BELOW GROUND TANK	
	CAISSONS	SPREAD	500,000	1,000,000
Construction Cost	2,380,000	1,790,000	2,610,000	3,130,000
Engineering Cost	500,000	360,000	540,000	620,000
TOTAL	2,880,000	2,150,000	3,150,000	3,750,000

opconstructioncostskearsargepstables-8.xl

MSA-MT 2255

G. Immediate or Phased Implementation

Pump Station Upgrade – It would be advantageous to make some additions to the station to upgrade it or improve its operation. Unfortunately the pump station upsizing proposals will impact the facilities sizing and placement and the upgrade must therefore progress with the pump station upsizing program. Some improvements have been identified and are proceeding or are completed. They are:

- 1) Replacement and upsizing of the two existing variable frequency drives
- 2) Purchase or location and reservation of a replacement motor for either pumps #1 or #2
- 3) Replacement of air release valves on the force main
- 4) Replacement of pump station discharge meter
- 5) Installation of staff gage in the wet well to judge surcharge volumes

Other improvements that would be desirable to implement early would be the replacement of pump #3 with a larger pump equal or larger in capacity to #1 and #2 pumps and installation of an automatic transfer switch to switch power sources in the event of a power failure. The latter change was attempted but design found it impossible to implement with the existing generator. The replacement generator must be sized to match the future pumps and thus must wait (it should be noted that a power failure has never been documented to contribute to a surcharge and overflow). Similarly, replacement of pump #3 will require completion of design of replacement pumps if applicable.

Pump Station Upsize – Phasing is included in this alternate but only on a ten-year versus ultimate basis. Design of facilities is recommended for a ten-year projection providing contingencies for upgrading in the future depending on the results of various activities including but not limited to: I&I abatement, connection flow negotiations, and the accuracy of contingent peak flow estimates and selection. Contingencies include proceeding with a design which will allow for expansion of storage and pumps.

Tributary Sewers – Since surcharge problems exist in both the 18-inch Beaver Run sewer and the 10-inch Zimmerly Road sewer, MTSA has implemented construction of a 15-inch relief sewer for the 10-inch which will eliminate concern over surcharges due to sewer capacity (problems are still possible due to pump station surcharge). The 12-inch sewer on Peach serving Interchange Road diversion to the 24-inch. Costs should be minimal (\$40,000) and it could effect immediate relief. Other changes, specifically the diversion of the Kuntz Road flows, should wait determination of the future need. This project will be more expensive (\$300,000) and more complicated involving utility displacement, traffic interruptions, road bore, stream crossing, and property acquisition. The alternate requires a pump station and the Authority should begin searching for available land.

As stated, the Authority is implementing an I&I abatement project. This project should continue as its success could eliminate the need for future diversions and even eliminate

the need for future expansion of the Kearsarge pump station (requires elimination of 1,000 gpm or 1.4 MGD of I&I).

Miscellaneous – Regardless of the alternate selection the houses on 51st Street, Dixon Drive, and Enfield Lane will remain in danger of flooding since their basements' elevation are lower than the pump station ground elevation. Back flow preventers should be installed on the 39 houses identified without waiting the design of station changes and activity is proceeding to accomplish that goal.

H. Administrative Organization & Legal Authority

MTSA has the necessary structure and legal authority to implement the project. Millcreek Township Supervisors will need to approve the financing for the proposed projects. The existing intermunicipal agreements between Summit (Authority and township) and Millcreek (Authority and township).

XII. INSTITUTIONAL EVALUATION

This chapter was excerpted from the "Act 537 Sewage Facilities Plan for Millcreek Township Sewer Authority, Erie County, Pennsylvania" - 2nd draft, December, 2003. Changes were made where necessary to make the chapter appropriate for this "Special Study."

A. Analysis of the Millcreek Township Sewer Authority

1. Financial and Debt Status

MTSA's financial and debt status, as reported in its 2002 and 2003 Annual Audit dated January 29, 2004, is found in Appendix B-6.

2. Available Staff and Administrative Resources

MTSA has a documented track record of capability in planning, designing, financing and constructing sanitary sewer projects. Staff includes the following:

- Manager
- Technical Services Manager
- Engineering Assistant
- Financial Manager
- Clerical Support

MTSA plans to retain the services of qualified engineering consultants to perform the detailed design and construction administration services required for these projects.

The Millcreek Township maintenance staff performs the operation and maintenance chores for the Authority's property. They inspect, clean, monitor, and maintain the station and equipment. They respond to emergencies and tend the station during emergencies. They are qualified and dedicated. They also have the necessary equipment and skills to maintain the facilities in excellent condition. They are well qualified to operate the upgrade station.

3. Existing Legal Authority

a. Implement Wastewater Planning Recommendations

As stated in Millcreek Township Ordinance 99-8, MTSA was established by Millcreek Township, pursuant to the Municipality Authorities Act of 1945 (Public Law 382), for the purpose of owning, acquiring, holding, constructing, improving, maintaining, and operating sewage systems within Millcreek Township. Per the Municipality Authorities Act, MTSA also has the authority to acquire rights in land through purchase or eminent domain.

b. Implement System-wide Operation and Maintenance Activities

MTSA has the legal authority to implement system-wide operation and maintenance activities per Millcreek Township Ordinance 99-8.

c. Set User Fees and Take Purchasing Actions

User fees are defined under Millcreek Township Ordinance 99-8. The ordinance states that the Millcreek Township Board of Supervisors shall review these rates at least once per year. The township sets and collects sewer revenues and operates the facilities under existing agreements. They provide the Authority with their operating cash.

The Millcreek Township Ordinance 99-8 also states that MTSA is designated by the Township to own, hold, construct, and improve the sanitary sewer system.

d. Take Enforcement Actions Against Ordinance Violators

Section 1.12 of the Millcreek Township Ordinance 2002-23 defines unlawful acts. Section 1.11 states that the "Manager of the

Authority and the Township Engineer are vested with the authority to issue enforcement notices and commence actions for enforcement of this Ordinance.”

e. Negotiate Agreements with Other Parties

The Municipality Authorities Act of 1945 allows an Authority to enter into contracts and agreements necessary and convenient to carry on its business.

f. Raise Capital for Construction and Operation and Maintenance of Facilities

As defined under Millcreek Township Ordinance 99-8, MTSA leases its sanitary sewer system back to the Township and authorizes the Township to assess and collect use charges to defray the costs of construction, operation and administration of the sanitary sewer system. Under the ordinance, rate increases to increase capital reserves or repay loans must be established by the Township Board of Supervisors. Thus, any borrowing for construction must be approved by the township supervisors to assure creditors that money will be available to pay debts.

B. Analysis of Institutional Alternatives for Implementation

1. Need for New Municipal Departments or Municipal Authorities

Implementation of the technical alternatives proposed in this Act 537 Special Study does not require new municipal department or authorities. Additional MTSA staff may be required if a Sewage Management Program is ultimately implemented.

2. Functions of Existing and Proposed Organizations

No changes in the functions of either the MTSA or the Millcreek Township Board of Supervisors will be necessary to implement the proposed actions under this Act 537 Special Study.

3. Cost of Administration, Implementability, and the Capability of the Authority to React to Future Needs

MTSA currently has sufficient capital reserves to cover the cost of administration of the technical alternatives discussed in the Plan. Implementation of the Plan will be funded through combination of tap-in fees and other funding mechanisms paid through user fees.

C. Necessary Administrative and Legal Activities

1. Incorporation of Authorities or Agencies

MTSA is a municipal authority established under the Municipal Authorities Act of 1945, P.L. 382, with all of the necessary legal authority to implement the technical alternatives recommended under this Act 537 Plan Update.

2. Development of All Required Ordinances, Regulations, Standards and Intermunicipal Agreements

The implementation of the technical alternatives recommended under this Act 537 Plan Update do not require the development of additional ordinances, regulations, standards, or intermunicipal agreements, except those that may be required as part of a Sewage Management Program.

There is an existing municipal agreement between Millcreek Township and its Sewer Authority and Summit Township and its Sewer Authority dated July 5, 1994. That agreement in paragraph 10 requires all municipalities to participate in any project they share flow in which is required by any state or federal governmental agency. For projects not mandated they must be mutually agreed upon. The overflow abatement portion of this project is required by the PA DEP but the growth aspects are not. Thus, Summit Township Sewer Authority must agree to the project.

Paragraph 10 also specifies that all municipalities using the sewers or sewage facilities will participate in the costs.

The financing of the project is also covered in the agreement in paragraph 11 which requires Summit to participate in the financing and paragraph 11a states that the design shall be based on peak flows determined by each municipality (Summit commitment is found in Appendix 7. The peak flows shall be added to the then existing peak flows and become the total sewage flow in the improved project.

Paragraph 11c requires each party to pay a percentage of the actual project using the ratio of anticipated sewage flows through their respective portions of the improved Joint Transporting System. Both communities' sewage flows through the facilities included in the pump station improvements.

3. Description of Activities to Provide Right-of-Way, Easements, and Land Transfers

MTSA has sufficient authority to acquire any of the right-of-ways necessary to implement this Act 537 Plan Update through either the purchase of easements or through eminent domain. Land need for construction of the study alternates are under Authority or township ownership with the possible exception of the routing of any force main work.

4. Adoption of Other Municipal Sewage Facilities Plans

This Act 537 Special Study will, after adoption by the Millcreek Township Board of Supervisors, be an amendment to the existing Millcreek Township Act 537 Plan. There are no requirements to adopt other municipal sewage facilities plans under this Act 537 Special Study.

5. Any Other Legal Documents

MTSA is unaware of requirements to develop and/or adopt other legal documents under this Act 537 Special Study.

6. Dates or Time Frames for Items 1-5 Above on the Project's Implementation Schedule

There are no actions required to fulfill Items 1-5 above once the Summit Township Sewer Authority and township agree to participate in the project.

D. Institutional Requirements for Implementation

MTSA is the proposed institutional alternative for implementing the chosen technical alternatives discussed in this Act 537 Plan Update. The MTSA is an existing Authority with the administrative, organizational, and legal authority to continue to oversee public wastewater within Millcreek Township.

XIII. SELECTED TECHNICAL ALTERNATIVE DESCRIPTION, JUSTIFICATION, AND FINANCING & INSTITUTIONAL SELECTIONS

A. **Description**

The MTSA has voted to pursue alternate A using the 10-year projection for contingency flows resulting from a 1-year frequency storm ($\approx 0.9''/\text{hour}$). The appurtenant construction included follows: station upgrade to include duplicate facilities; phased sewer relief; back flow preventers in potential flooding areas

under catastrophic failures; continued I&I abatement to minimize future construction requirements and provide reserve capacity in receiving sewers. Contingency recommendations include: using storage tanks where capacity can be expanded without foot print changes; investing in structural additions to allow the storage tank to be increased in height or for a second tank nearby. Minimizing aesthetic impact to the extent possible (location, height, etc.); and allowing for all pumps to operate together to allow for increased forward and storage flow to address possible extreme weather conditions.

The proposed construction includes:

- 1) Replacement of existing pumps with three new variable frequency controlled pumps with a capacity of 4,500 gpm forward with two pumps operating at 135 ft. total head
- 2) 500,000 gallon glass-coated steel tank (80 ft. diameter, 15 ft. high with dome roof, dormer, stairs, platform and water cannons for cleaning)
- 3) Self-contained submersible pump station, three pumps (2,500 gpm with two operating @ 30 ft. of head)
- 4) New generator gas operated, sized to operate three 150 Hp pumps and two 75 Hp pumps
- 5) Pump station upgrade features:
 - a. Auto transfer switch
 - b. SCADA
 - c. Odor Control
 - d. Ancillary features (panels, lighting, rain gage, etc.)
- 6) Sewers – diversion, backflow preventers, I&I abatement

B. Justification

1. Existing Wastewater Disposal Needs

The proposed plan will enable the elimination of the overflow and manhole pumping required by the Consent Order and Agreement and allow the waste to be pumped forward to the Erie Wastewater Treatment Plant at the proposed contingency peak flow event of a one-year storm during a wet saturated condition. It will enable service to existing residential units both in Summit and Millcreek which have been demonstrated by separate studies to be served with malfunctioning onlot systems.

We conclude that a conceptual design which uses as a design flow a 1-year occurrence frequency storm based on old NOAA storm frequencies * (0.9 inch/hour; 1.05 inch/2 hour; 1.22 inch/3 hour; and 2.1 inch/24-hour) during the cooler months is adequate protection during those months.

Further it has been demonstrated that such a design will more than compensate for a 50 to 25-year storm occurring in the warmer months (May through November). However, the concern is that a sustained rain during the warmer months could saturate the soils leaving the station susceptible to a higher probability of being subjected to a less frequent high intensity storm. Provision to use standby pumping facilities to address such an extreme event will be included.

2. Future Wastewater Disposal Needs

The proposed facilities are sized to handle the ten-year growth in Millcreek and Summit and to be easily expandable to encompass the ultimate growth flows by forward pumping or storage if I&I abatement efforts do not eliminate the need.

* New NOAA frequencies do not give a 1-year frequency storm

3. Operation & Maintenance Considerations

The proposal will not increase the number of facilities needing service and it will simplify operation and maintenance by automating the emergency generator operation; eliminating the need to manually attend the station and tributary sewer manholes during high flow events (minimizing alarms); replacing aging equipment; and reduction of odors and basement flooding. It will increase power requirements, complicate control commands, and increase the number and size of facilities required to be maintained, particularly the control equipment. There should be no net change in the township maintenance employees' duties but will require more contract activity to maintain electronic and control equipment. The MTSA and township technical and operating personnel will be responsible for the O&M requirement. The changes can be accommodated with the existing staff.

Additional discussion of the conceptual operation of the pump station upgrade is found in Appendix A-5.

4. Cost Effectiveness

The proposed alternate is not the least costly (Alternate B is) but it is the most effective. It recognizes the forward flow limitations; and minimizes storage requirements to optimize esthetic and expandability capabilities. It

allows for the greatest adaptability at the end of ten years. If more capacity is needed, either storage or forward pumping can be increased. If storage capacity provided is excessive at the end of the I&I abatement effort, storage could be used for flow equalization if downstream flows need reduced or could be sold to Summit if their ultimate flows exceed 3.9 MGD in lieu of their promised use of an ORF in the township.

5. Available Management & Administrative Systems

No new management or Administrative Systems will be required.

6. Available Financing Methods

The only method available is sewer revenue bonds. The Authority would float the bonds but the township would be required to raise rates to fund them. Since Summit Township would be responsible for approximately 27% of the cost of facilities (2014 usage) they likewise will be required to raise rates if they choose to participate in the MTSA bond issue. The Summit share is based on 24% (Table VIII-5 / XIII-1) of the existing peak flows and flow increases to 2014 from Table S-3 / IX-1 / X-2 $[(0.24 \times 6400 + 320) \div 6840 = 27\%]$.

7. Environmental Soundness

The program will eliminate existing untreated wastewater overflows basement flooding, and septic tank malfunctions. It will equalize downstream flows reducing instantaneous treatment needs and sewer capacity needs. It is concluded that the proposed construction is both environmentally sound and meets the goals of natural resource planning and preservation programs.

The proposed tank location and sizing will meet residential zoning requirements for height (40 ft.), setbacks, and lot coverage (Appendix B-1).

The tank will also be located so as to shield its south, north, and east elevations from view utilizing a 10 foot embankment and tree screening on the north, 20 foot+, embankment and tree screening on the east, and Walnut Creek embankments and tree screening on the south. There is residential units to the northwest, northeast, and north along the north side of Zimmerly Road. No residence s are found on the south side of Zimmerly in this area. A computer generated visualization of the tank is found in Figure XIII-a and further discussion is found in Appendix A-3.

MSA-MT 2264

TABLE VIII-5 / XIII-1

COMPARISON OF KEARSARGE METERS

	OCT '03 %	NOV '03 %	DEC '03 %	JAN '04 %	FEB '04 %	MAR '04 %	APR '04 %	AVG %
<u>K1 as a % of ΣK (10")</u>								
All Dates	20	18	17	16	18	17		
High Flow	22	16	18	-	16 & 20	18		
<u>K2 as a % of ΣK (18")</u>								
All Dates	58	58	63	62	59	62		60.3
High Flow	57	67	64	-	61 & 50	63		60.3
<u>K3 as a % of ΣK (24')</u>								
All Dates	22	24	BAD	21	22	21		22
High Flows	22	18	DATA	-	22 & 25	19		21.2
<u>S1 as a % of ΣK</u>								
All Dates	22	22	23	22	25	25		23.2
High Flow	21	24	23	-	22 & 29	25		24
<u>K3 as a % of S1</u>								
All Dates	102	107	BAD	96	90	85		96
High Flow	102	75	DATA	-	99 & 85	76		87.4
From Plots	99	102		94	88	84		93.4
<u>K4 as a % of K2</u>								
All Dates	18	17	18	17	17	17		17.3
High Flows	18	23	21	-	18	26		21.2

Note: K1 - Zimmerly Road Sewer
 K2 - Beaver Run Sewer
 K3 - Mall Sewer
 K4 - Beaver Run Extension
 S-1 - Summit Meter

comparisonofkearsargemeters.xl

C. Capital Financing Plan

Assuming a 20-year bond issue financed at 5% the annual costs for a project costing between 2.15 and 2.88 million dollars (Table S-3/IX-1/X-2 on page 24) will equal between \$172,000 and \$230,000. If the cost is divided among the existing users (Millcreek, 28,599 and Summit 2,562) the quarterly rate increase for Millcreek (73% of total cost) will be between \$1.10 and \$1.47 and for Summit (27% of total cost) will be between \$4.53 and \$6.06. There is no backup financing plan.

Future costs for expansion of the station to allow for ultimate flows will be based on the 1994 agreement. At that time participation in the original bond issue will be reviewed to determine if the percentages need adjusted to reflect changes in peak flow rates.

Costs for relief sewer or diversion construction recommended for immediate implementation and the installation of back water valves are the responsibility of the Millcreek Township Sewer Authority. The ultimate relief of the Interchange Road sewer if needed is believed will be the responsibility of Summit Township but will need to be resolved under the agreement when it becomes necessary. Cost estimates are found in Appendix A-4.



JUNE 2004 - MTSA - KEARSARGE PUMP STATION
OVERFLOW RETENTION FACILITY (ORF)

MSA-MT 2267

APPENDICES

APPENDIX A-1 through A-5

APPENDIX A-1

MUNICIPAL RESOLUTIONS

APPENDIX A-1

CONTENTS

- Millcreek Township Resolution #2004-R-27 adopting the Special Study as a revision to its Act 537 Plan
- Summit Township Resolution #2004-16 adopting the Special Study as a revision to its Act 537 Plan
- Millcreek Township Sewer Authority Resolution #2004-07 adopting the Special Study as its plan for the upgrade and expansion of the Kearsarge pump station
- Summit Township Sewer Authority Resolution #2004-2 concurring with the Special Study recommendations
- Erie County Department of Planning letter dated June 9, 2004, finding the "Special Study" generally consistent with the County's Community Facilities and Utilities Plan

RESOLUTION 2004-R-27

A Resolution to approve a Special Study for expansion and upgrade of the Kearsarge Pump Station as an amendment to the Millcreek Township Act 537 official plan subject to approval by the Pennsylvania Department of Environmental Protection.

WHEREAS, Section 5 of the Pennsylvania Sewage Facilities Act, Act of January 4, 1966, P.L. 1535, No. 537, known as the Pennsylvania Sewage Facilities Act as amended, and the rules and regulations of the Pennsylvania Department of Environmental Protection ("PaDEP") adopted thereunder in Chapter 71 of the Pennsylvania Code, require a municipality to adopt an Official Sewage Facilities Plan ("Act 537 official plan") providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality; and

WHEREAS, Millcreek Township and the Millcreek Township Sewer Authority ("Sewer Authority") have prepared a Special Study for the Expansion and Upgrade of the Kearsarge Pump Station, which provides for sewage facilities in Millcreek Township which will accept and transport both Millcreek Township and Summit Township sewage flows; and

WHEREAS, this Special Study was required to abate periodic overflows from the Kearsarge Pump Station during high flows associated with wet weather events; and

WHEREAS, the alternative of choice to be implemented is increased forward pumping capacity and retention of peak flow above pumping capacity, with key implementation activities including complete design within nine (9) months after approval of the Special Study by PaDEP; complete construction within eighteen (18) months after issuance by PaDEP of a permit for such work and abandonment of the overflow within thirty (30) days after completion of construction; and

WHEREAS, an agreement exists between Summit Township Sewer Authority and Millcreek Township and the Sewer Authority defining participating requirements and cost sharing percentages; and

WHEREAS, the Summit Township Sewer Authority has agreed to the future flow projections used in the Special Study through an acknowledgment dated March 29, 2004 of the March 25, 2004 letter of the consultant for the Sewer Authority, which outlined flows of 2.762 MGD for 2014 and 3.9 MGD for ultimate flows from Summit Township; and

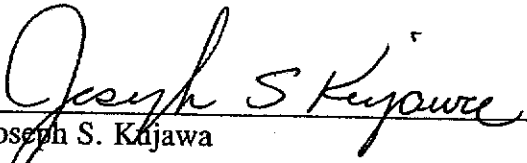
WHEREAS, the Board of Supervisors finds that the Special Study described above conforms to applicable zoning, development and other municipal ordinances and plans and is a comprehensive program of pollution control and water quality that is needed for Millcreek Township and the Sewer Authority to provide continued service to both Millcreek Township and Summit Township in accordance with their Official Sewage Facilities Plans and the 1994 Joint Transporting Agreement between Millcreek, Summit and Fairview Townships.


IT IS HEREBY RESOLVED by the Board of Supervisors of Millcreek Township, Erie County, Pennsylvania as follows:


1. The Special Study recommendation for expansion and upgrade of the Kearsarge Pump Station as described above is hereby adopted as a revision to the Township's Act 537 Official Plan, subject to its approval by PaDEP.
2. Upon adoption of this Resolution, the Township and/or the Sewer Authority shall submit the Special Study to PaDEP for its review and approval.
3. The Board of Supervisors by adopting this Special Study assures PaDEP that the Township will complete in timely manner implementation of the said revision of the Act 537 Official Plan as required by law upon its approval and issuance of necessary permits by PaDEP.
4. The Chair of the Board and the Township Secretary are authorized to sign and attest all documents necessary to effectuate this Resolution.

ADOPTED this 15th day of June, 2004.

MILLCREEK TOWNSHIP SUPERVISORS

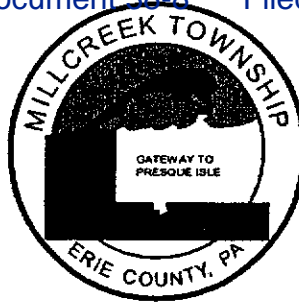

Joseph S. Kujawa


Brian P. McGrath


Lawrence G. Curtis

SUPERVISORS

LAWRENCE G. CURTIS
JOSEPH S. KUJAWA
BRIAN P. MCGRATH

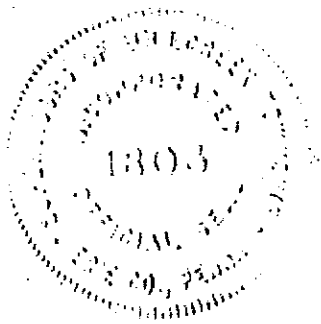


3608 WEST 26TH STREET
ERIE, PA 16506-2037
TELEPHONE: 814-833-1111
FAX: 814-833-8336

I hereby certify that this is a true and correct copy of Resolution 2004-R-27 approved by the Millcreek Township Board of Supervisors at their meeting held on June 15, 2004.

Phyllis A. Vollbrecht

Phyllis A. Vollbrecht
Assistant Secretary
June 15, 2004



MSA-MT 2273

App. 320

**SUMMIT TOWNSHIP BOARD OF SUPERVISORS
ERIE COUNTY, PENNSYLVANIA
RESOLUTION FOR PLAN REVISION
2004-16**

Resolution of the Board of Supervisors of Summit Township, Erie County, Pennsylvania.

WHEREAS, Section 5 of the Act of January 24, 1966, P.L. 1535, No 537, known as the "Pennsylvania Sewage Facilities Act", as amended, and the Rules and Regulations of the Department of Environmental Protection (Department) adopted thereunder, Chapter 71 of title 25 of the Pennsylvania Code, requires the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality and

WHEREAS, Millcreek Township and Millcreek Township Sewer Authority have prepared a Special Study for the expansion and upgrade of the Kearsarge Pump Station and which Study also provides for additional sewage facilities in Millcreek Township which will accept and transport sewage flow from both Millcreek and Summit Townships.

The improvements recommended by this study are necessary to abate periodic overflows from the station during high sewer system flow associated with wet weather events.

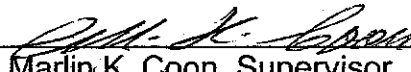
The recommended alternative to be implemented by Millcreek Township consists of increased forward pumping capacity and the retention of peak system flow greater than the forward pumping capacity. Under the alternative of choice, Summit Township receives 1,909 gallons per minute (gpm) peak flow conveyance capacity at the Kearsarge Pumping Station. This represents approximately 28 percent of the projected 2014 design peak flow of 6,840 gpm. Summit Township ultimately receives 2709 gpm peak capacity at the Kearsarge Station which represents approximately 35 percent of the projected ultimate peak design flow of 7,773 gpm. The key implementation activities/dates include complete design; nine (9) months after Special Study approval by the PA DEP and complete construction eighteen (18) months after permit issuance. The overflow is to be abandoned thirty (30) days after completing construction.

WHEREAS, Summit Township finds that the Special Study described above conforms to applicable zoning, subdivision, other municipal ordinances and plans and to a comprehensive program of pollution control and water quality management and is needed to enable Millcreek Township to provide wastewater conveyance service to Summit Township in accordance with Summit's Official Sewage Facilities Plan and the 1994 Joint Transporting Agreement with Millcreek Township.

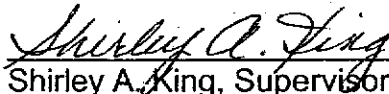
NOW, THEREFORE, BE IT RESOLVED that the Supervisors of the Township of Summit hereby adopt as a revision to the "Official Sewage Facilities Plan of Summit Township and approve for submission to the Pennsylvania Department of Environmental Protection (DEP) for its approval, the above referenced Special Study. Summit Township hereby assures DEP of its complete and timely participation in the implementation of recommendations within the said Special Study in accordance with the existing Joint Transporting Agreement, as required by law. (Section 5, Pennsylvania Sewage Facilities Act as amended).



Thomas H. Church, Jr., Supervisor

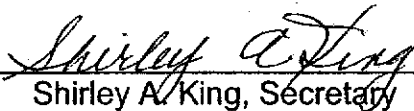


Marlin K. Coon, Supervisor



Shirley A. King, Supervisor

I, Shirley A. King, Secretary, Summit Township Board of Supervisors hereby certify that the foregoing is a true copy of Township Resolution No. 2004-16, adopted June 7, 2004 at a duly advertised meeting of the Board of Supervisors.



Shirley A. King, Secretary

S E A L

sak 06-07-04

MILLCREEK TOWNSHIP SEWER AUTHORITY**RESOLUTION FOR
KEARSARGE PUMP STATION UPGRADE
SPECIAL STUDY PLAN ADOPTION****RESOLUTION 2004-07****RESOLUTION OF THE MILLCREEK TOWNSHIP SEWER
AUTHORITY OF MILLCREEK TOWNSHIP, ERIE COUNTY,
PENNSYLVANIA (HEREINAFTER "the authority").**

WHEREAS, Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the Rules and Regulations of the Department of Environmental Protection (Department) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires municipalities to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality, and

WHEREAS, Millcreek Township and Millcreek Township Sewer Authority has prepared a Special Study for the Expansion and Upgrade of the Kearsarge Pump Station which provides for sewage facilities in Millcreek Township which will accept and transport both Millcreek Township and Summit Township sewage flows.

This study was necessitated to abate periodic overflows from the station during high flows associated with wet weather events.

The alternative of choice to be implemented is increased forward pumping capacity and retention of peak flow above pumping capacity. The key implementation activities/dates include complete design: nine (9) months after Special Study approval by the PA DEP and complete construction eighteen (18) months after permit issuance. The overflow is to be abandoned thirty (30) days after completing construction.

WHEREAS, Millcreek Township Supervisors have adopted the Special Study as a revision to the township's Official Plan

WHEREAS, an Agreement exists between Summit and Millcreek defining the participation requirements and cost sharing percentages.

WHEREAS, Summit Township Sewer Authority has agreed to the future flow projections used in the Special Study through an acknowledgement, dated March 29, 2004, of Millcreek Township Sewer Authority's consultant's letter of March 25, 2004, outlining flows of 2.762 MGD for 2014 and 3.9 MGD for ultimate flows from Summit.

WHEREAS, Summit Township Sewer Authority, by letter of June 7, 2004, indicated the Authority concurs with the "plan recommendation" and agreed in that letter to pay their "fair share of costs for improvements."

WHEREAS, Millcreek Township Sewer Authority finds that the Special Study described above is needed for Millcreek Township Sewer Authority to provide continued service to both Millcreek Township and Summit Township in accordance with Millcreek's and Summit's Official Sewage Facilities Plans and the 1994 Joint Transporting Agreement between Millcreek, Summit, and Fairview Townships.

NOW, THEREFORE, BE IT RESOLVED that the Millcreek Township Sewer Authority hereby adopts the above referenced Special Study Recommendations as its plan for the upgrade and expansion of the Kearsarge pump station in accordance with the implementation schedule found in the plan and in the Consent Order and Agreement with the PA DEP.

I, GEORGE W. RIEDESEL, Secretary,

Millcreek Township Sewer Authority hereby certify that the foregoing is a true copy of the Authority's Resolution No. 2004-05, adopted June 17, 2004.

AUTHORIZED SIGNATURE

George W. Riedesel
Secretary

2004-2
RESOLUTION
FOR
KEARSARGE PUMP STATION UPGRADE
SPECIAL STUDY
PLAN ADOPTION

RESOLUTION OF THE SUMMIT TOWNSHIP SEWER AUTHORITY OF SUMMIT TOWNSHIP, ERIE COUNTY, PENNSYLVANIA (HEREINAFTER "SUMMIT AUTHORITY").

WHEREAS, Section 5 of the Act of January 24, 1996, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the Rules and Regulations of the Department of Environmental Protection (Department) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires municipalities to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality, and

WHEREAS, Millcreek Township and Millcreek Township Sewer Authority has prepared a Special Study for the Expansion and Upgrade of the Kearsarge Pump Station which provides for sewage facilities in Millcreek Township which will accept and transport both Millcreek Township and Summit Township sewage flows.

This study was necessitated to abate periodic overflows from the station during high flows associated with wet weather events.

The alternative of choice to be implemented is increased forward pumping capacity and retention of peak flows above pumping capacity. The key implementation activities/dates include complete design: nine (9) months after Special Study approval by the PA DEP and complete construction eighteen (18) months after permit issuance. The overflow is to be abandoned thirty (30) days after completing construction.

WHEREAS, Summit Township Supervisors have adopted the Special Study as a revision to the Township's Official Plan pending concurrence with the Special Study's recommendations by the Summit Township Sewer Authority.

WHEREAS, an Agreement exists between Summit and Millcreek defining the participation requirements and cost sharing percentages and Millcreek and Summit Authorities have agreed to revisit the agreement to clarify the definition of cost sharing terms to be more appropriate to the selected pump station upgrade concept.

WHEREAS, the Millcreek Township Sewer Authority has agreed by letter dated June 15, 2004, to revisit the study to address the remaining concerns expressed by the Summit Authority in a letter dated June 7, 2004.

MSA-MT 2278

WHEREAS, Summit Township Sewer Authority finds that implementation of the Special Study recommendations described above is needed for Millcreek Township Sewer Authority to provide continued service to both Millcreek Township and Summit Township in accordance with Millcreek's and Summit's Official Sewage Facilities Plans and the 1994 Joint Transporting Agreement between Millcreek, Summit, and Fairview Townships.

NOW, THEREFORE, BE IT RESOLVED that the Summit Township Sewer Authority hereby concurs with the above referenced Special Study Recommendations and agrees to pay for its fair share of the improvements needed for the upgrade and expansion of the Kearsarge pump station in accordance with the implementation schedule found in the plan and in the Consent Order and Agreement with the PA DEP.

I, Cloyd J. Rose, Secretary, Summit Township

Sewer Authority, hereby certify that the foregoing is a true copy of the Authority's Resolution

No. 2, adopted June 23, 20 04.

AUTHORIZED SIGNATURE

Cloyd J. Rose

MSA-MT 2279



CTEE, INC
JUN 10 2004
RECEIVED

COUNTY OF ERIE
DEPARTMENT OF PLANNING
ERIE COUNTY COURT HOUSE
140 WEST SIXTH STREET - ROOM 119
ERIE, PENNSYLVANIA 16501
Phone: (814) 451-6336
FAX: (814) 451-7000
TDD: (814) 451-7065
<http://www.eriecountyplanning.org>

RICK SCHENKER
COUNTY EXECUTIVE

JANET ANDERSON
DIRECTOR

June 9, 2004

Gerald C. Allender, P.E.
Project Manager
CTE Engineers
155 West 8th Street
Erie, PA 16501

RE: Act 537 Notification
Act 247 Review

Millcreek Township, Erie County, PA
Act 537 Special Study: June, 2004

Dear Mr. Allender:

With this letter, this Department is acknowledging the receipt of the above-referenced project under Act 537 notification.

Under Act 247 review, this Department has reviewed the above-referenced project. We find that it is generally consistent with the Erie County Community Facilities and Utilities Plan.

Should you have any questions, please feel free to contact me.

Sincerely,

Matthew T. Trepal
Planner IV

MSA-MT 2280

App. 327

APPENDIX A-2

**PUBLIC NOTICE, PRESENTATIONS,
COMMENTS & RESPONSES**

MSA-MT 2281

App. 328

APPENDIX A-2

CONTENTS

- A copy of the Oath of Publication for the Special Study Public Advertisement published on May 26, 2004
- March 24, 2004 letter from Consoer Townsend Envirodyne Engineers countersigned by Summit Township Sewer Authority indicating concurrence with the population and flow projection used for Summit
- June 9, 2004 letter from Pennsylvania Natural Diversity Inventory that no species of special concern are known to exist in the project area. The request is attached to the letter
- June 10, 2004 letter from the Pennsylvania Historical & Museum Commission finding no national register eligible or listed historic or archaeological properties in the area of the proposed project. A copy of the notice is attached.
- Summit Township Sewer Authority letter dated June 3, 2004, to Summit Township.
- Summit Township Sewer Authority letter dated June 7, 2004, to Consoer Townsend Envirodyne Engineers commenting on the plan and denoting approval of the concept and agreeing to pay fair share
- June 15, 2004 Consoer Townsend Envirodyne Engineers letter to Summit Township Sewer Authority transmitting Millcreek Township Sewer Authority responses to their comments
- Memorandum on Special Study presentation to Summit Township on June 7, 2004
- Study presentation packet
- Letter from Summit Township Sewer Authority dated June 17, 2004, recommending the township adopt the plan
- Letter from the PA DEP dated June 22, 2004, commenting on the study
- Listing of Study Presentations
- Listing of Comments & Responses

OATH OF PUBLICATION
In
THE ERIE TIMES-NEWS
COMBINATION EDITION

MILLCREEK TWP SEWER AUTHORITY
3608 WEST 26TH STREET
ERIE PA 16506-2037

REFERENCE: L0002200
0000508184 PUBLICADVERTISEMNTT

STATE OF PENNSYLVANIA)
COUNTY OF ERIE } SS:

James E. Dible being duly sworn, deposes and says that he is the Publisher of the Times Publishing Company, which publishes: the Erie Times-News, established October 2, 2000, a daily newspaper of general circulation, successor, by consolidation, of the Morning News, established January 1957, and the Erie Daily Times, established April 1888, daily newspapers of general circulation, and published at Erie, Erie County, Pennsylvania, and that the notice of which the attached is a copy newspaper of the dates referred to below. Affiant further deposes that he is duly authorized by the TIMES PUBLISHING COMPANY, publisher of The Erie Times-News to verify the foregoing statement under oath, and affiant is not interested in the subject matter of the aforesaid notice or advertisement, and that all allegations in the foregoing statement as to time, place and character of publication are true.

PUBLISHED ON: 05/26

TOTAL COST: 143.65
FILED ON: 05/26/04

AD SPACE: 59 LINE

Sworn to and subscribed before me this

26th day of May 2004 Affiant: James E. Dible

NOTARY: Marybeth Swoger

PUBLIC
ADVERTISEMENT
THE Millicreek Township
Sewer Authority, Millicreek, Erie County, Pennsylvania is providing a thirty (30) day period for public comment on a Special Study Supplementing the township's Act 537 Sewage Facilities Plan covering the Kearsarge Pump Station Upgrade.

The purpose of this Special Study is to define the facilities necessary to provide capacity to eliminate existing and future station overloads. The study includes facilities sizing, cost estimates, proposed funding, user charges, implementation schedule and environmental review documentation.

The comment period shall extend from May 24, 2004, to June 25, 2004. The document is an office copy and will be on display for public review at the Millicreek Township Sewer Authority and Millicreek Township offices at the Municipal Building at 3608 West 26th Street, Erie, PA 16506 and at the Summit Township Sewer Authority Building at 8890 Old French Road, Erie, PA 16509.

Please direct comments and questions pertaining to said document in writing to the Millicreek Township Sewer Authority, 3608 West 26th Street, Erie, PA 16506 or Consoer Townsend Environmental Engineers, 155 West 8th Street, Suite 418, Erie, PA 16501 on or before June 25, 2004.
George Riedesel, P.E.,
Manager
Millicreek Township Sewer Authority
(516-508184-NT-26)

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Marybeth Swoger, Notary Public

City Of Erie, Erie County

My Commission Expires Oct. 6, 2007

Mentor, Pennsylvania Association Of Notaries



ENGINEERS

CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

155 West 8th Street

March 24, 2004

Erie, Pennsylvania 16501

Summit Township
8890 Old French Road
Erie, PA 16509

Phone: (814) 453 4394

Attn: Bill Steff, P.E.

Fax: (814) 455 6596

Ladies/Gentlemen:

In response to our discussions with your manager and engineer on March 19, 2004, we have concluded that your anticipated flows at the Kearsarge pump station can be represented by the numbers found in the following paragraphs.

For the initial ten-year design period, annual increases of 88 units assuming 1 EDU/unit will approximate your expected growth. We estimate an EDU at 3 persons with an average flow of 70 gpc per day which equals an average increase in flow of 18,480 gpd per year which ultimately equals 184,800 gpd in a ten-year period. The peak flow is estimated at 2-1/2 times that number or 462,000 gpd increase within ten years.

Ultimate flow we estimate at the agreement number between Summit Township Sewer Authority and the City of Erie equaling 3.9 MGD. It is our assumption that once this flow is reached, Summit Township will have provided for flow equalization to prevent the peak flows from exceeding that number. Thus, for ultimate flow considerations at Kearsarge pump station, 3.9 MGD will be considered as Summit Township's peak contribution for pump station sizing.

RECEIVED

MAR 25 2004

SUMMIT TOWNSHIP
SEWER AUTHORITY

MSA-MT 2284

App. 331



Summit Township
Attn: Bill Steff, P.E.
March 24, 2004
Page 2

The number to be utilized for Summit Township's existing peak flow is to equal the highest number that is presently available from your metering point entering Millcreek Township which equals 2.3 MGD.

In ten years the peak fifteen minute flow would be expected to equal 2,762,000 gpd with an ultimate peak flow of 3,900,000 gpd to be controlled if necessary by flow equalization facilities.

If you have no objection to the use of these values in the conceptual design of the facilities to be provided at Kearsarge pump station to allow for the existing overflow to be eliminated, please advise us by either so noting at the bottom of this letter and returning a copy to our office or by responding separately indicating either your concurrence or your suggested values.

Please be advised that the Erie County population projection using the current trend scenario, only estimate the Summit Township population to increase by 100 persons by the year 2010. The PA DEP projections on the other hand which were completed in the 90's had projected Summit Township to grow by approximately 290 persons in that same time frame. The Summit Township population increased approximately 245 people from 1990 to 2000. We believe this trend and the estimate of the PA DEP to be more indicative of Summit's growth and suggest the value of 300 persons over a ten-year period as being more indicative of the growth potential. This equals 30 persons/year or approximately ten homes of which one might estimate that seven would be constructed within the Rt. 19 or Kearsarge drainage area. Even this number does not approximate the recent five-year history which demonstrated approximately 30 of the 88 EDU's or connections seen on an annual basis to be residential homes. Therefore, we have concluded that the use of the observed EDU's or



CTEE, INC

MAR 31 2004

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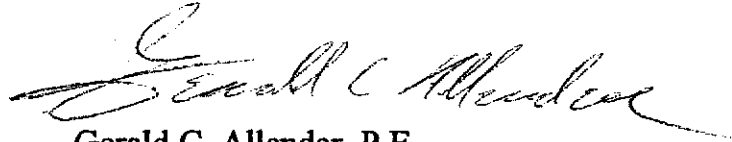
Summit Township
Attn: Bill Steff, P.E.
March 24, 2004
Page 3

connections as a population projection is both the more conservative value and the most legitimate value.

Once we have obtained your concurrence on flows, we will be able to proceed with the necessary facilities to expand the Kearsarge pump station capabilities and estimate cost and determine participation. Within the next month and a half it will be necessary for us to obtain your concurrence and the township supervisors' concurrence in both the conceptual plan for the Kearsarge pump station and cost sharing proposals for that plan.

Very truly yours,

CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

A handwritten signature in dark ink, appearing to read 'Gerald C. Allender', is written over a horizontal line.

Gerald C. Allender, P.E.
Project Manager

GCA:lb

cc: Millcreek Township Sewer Authority
Summit Township Supervisors
Millcreek Township Supervisors

We concur with the flow numbers found in the preceeding paragraph.

Signed:  3-29-04 per Board
Summit Township Sewer Authority Directive



Pennsylvania Natural Diversity Inventory

Scientific information and expertise for the conservation of Pennsylvania's native biological diversity
June 9, 2004

Ecological Services Section

Gerald Allender
Consoer Townsend Envirodyne Engineers, Inc.
155 West 8th Street
Erie, PA 16501

CTEE, INC. Fax 717-772-0271
717-772-0258
JUN 14 2004
RECEIVED

**Re: Pennsylvania Natural Diversity Inventory Review for the Proposed Construction of
Overflow Retention Tank, City of Erie, Erie County**
PER NO: 16088

Dear Mr. Allender:

In response to your request May 20, 2004 to review the above mentioned project, we have reviewed the area using the Pennsylvania Natural Diversity Inventory (PNDI) information system. PNDI records indicate that no occurrences of species of special concern are known to exist within the project area, therefore we do not anticipate any impact on endangered, threatened, or rare species at this location. PNDI attempts to be a complete information resource on species of special concern within the Commonwealth. However, it may not contain all location information for species within the jurisdiction of other agencies. Please contact the Fish and Boat Commission and US Fish and Wildlife Service for information on species within their purview.

PNDI is the environmental review function of the Pennsylvania Natural Heritage Program, and uses a site-specific information system that describes significant natural resources within the Commonwealth. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is **good for one year**. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations.

Feel free to phone our office if you have questions concerning this response or the PNDI system, and please refer to the P.E.R. Reference Number at the top of the letter in future correspondence concerning this project.

Sincerely,


Justin P. Newell
Environmental Review Specialist

App. 334

Appendix L

REQUEST FOR PENNSYLVANIA NATURAL DIVERSITY INVENTORY (PNDI) DATA

5/20/04

Date

TO: Department of Conservation and Natural Resources
Bureau of Forestry (FAS)
PNDI Program
PO Box 8552
Harrisburg, PA 17105-8552

FROM: Gerald C. Allender
Consoer Townsend Envirodyne Engineers, Inc.
155 West 8th Street
Erie, PA 16501
(municipal planning consultant address)

FOR: Millcreek Township Sewer Authority
3608 West 26th Street
Erie, PA 16506
(municipality address)

Erie County

Please conduct a review of the Pennsylvania Natural Diversity Inventory (PNDI) information system for records of species of special concern reported from the above municipality. This information will be incorporated in initial planning assessments under the Pennsylvania Sewage Facilities Act and in specific alternative proposals. At this time, the planning process is addressing:

The construction of overflow retention tank. Two alternative locations for
the tank are provided one near and one remote from the pump station being
protected.

Site A, "near": is in a mowed area just east of the station.

Site B, "remote": is in a wooded area 600 ft. east of the station and will
require construction of a maintenance roadway and utilities including
pipe lines and electric.

(current project details)

The location of the proposed project components are shown on the attached partial copy of the
Erie South 7.5 minute U.S.G.S. topographic maps.

In its reply, DCNR will notify this municipality regarding plant and animal species of special concern listed by any state agency or tracked by PNDI and reported in the project vicinity. In addition, DCNR will identify the agencies having management authority and expertise to assist with evaluation and mitigation of potential impacts on these species.

If you have questions concerning this project please contact:

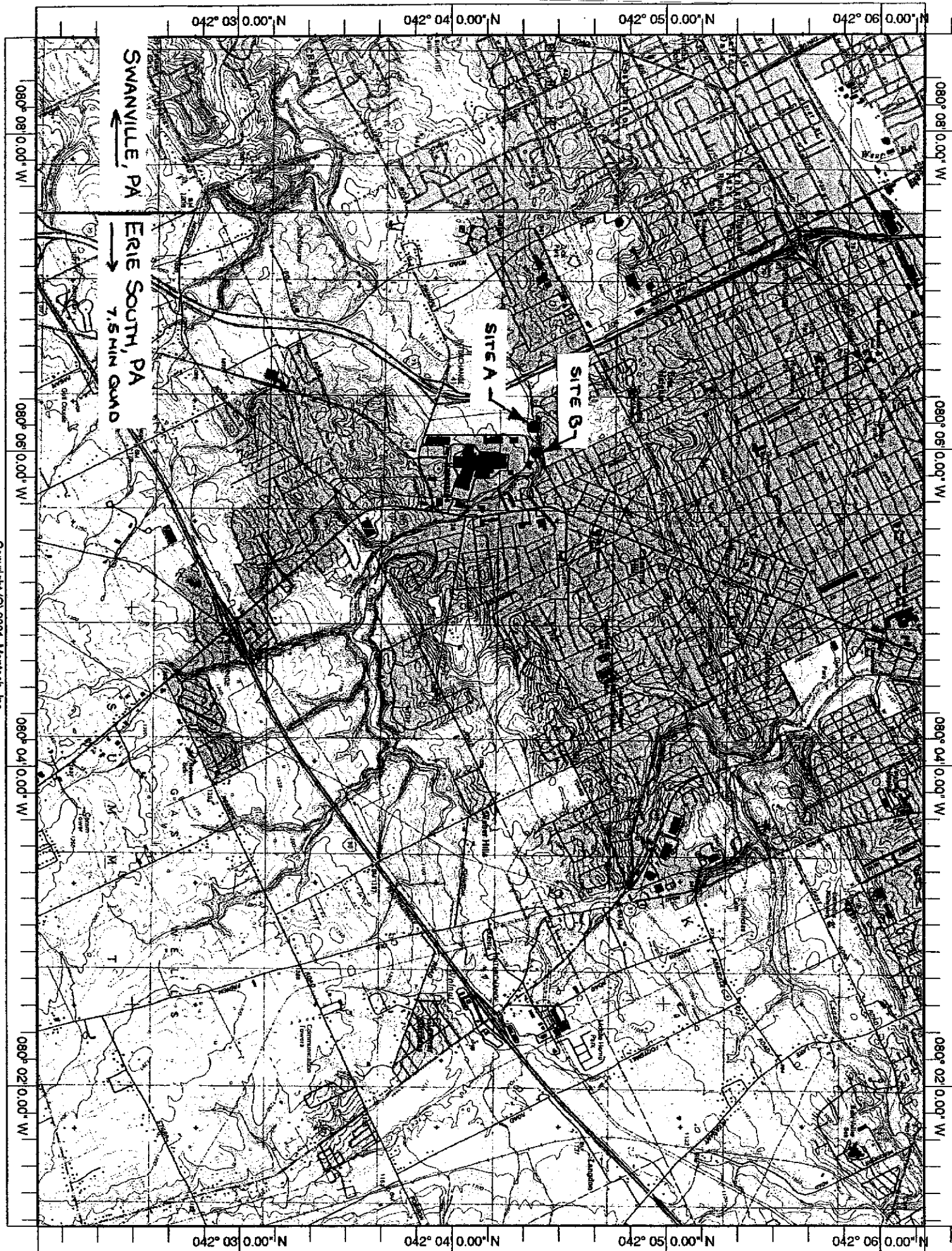
Gerald C. Allender
Planning Consultant

814-453-4394
Telephone Number

George Riedesel, P.E.
Municipal Official

814-835-6721
Telephone Number

App. 335



CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

155 West 8th Street

FACSIMILE TRANSMITTAL

Erie, Pennsylvania 16501

DATE: 5/20/04 NO. OF PAGES: 3

TO: PNDI

Phone: (814) 453 4394

ATTN: Justin Newell

FAX NO: 717-772-0271

Fax: (814) 455 6596

RE: Request for Pennsylvania
Natural Diversity Inventory
(PNDI) Data

FROM: Terry Alexander

☐ AS REQUESTED ☐ FOR APPROVAL
☐ FOR YOUR USE ☒ FOR REVIEW AND COMMENT
☐ FOR YOUR INFORMATION ☒ Y ☐ N HARDCOPY MAILED

NOTES: Please comment

This facsimile is CONFIDENTIAL. It may contain information which is privileged or subject to other confidentiality requirements and exemptions from disclosure under applicable law. It is intended solely for the use of the individual(s) named above. If you are not the intended recipient(s), or the person responsible to deliver it to the intended recipient(s), you are hereby advised that any dissemination, distribution or copying of this communication is prohibited. If you have received this facsimile message in error, please immediately notify sender by telephone collect and return the original message to sender by U.S. Mail. Postage on return facsimile transmissions will be refunded.



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093

CTEE, INC.
JUN 16 2004
RECEIVED

June 10, 2004

Gerald C. Allender
Consoer Townsend Envirodyne Engineers, Inc.
155 West 8th Street
Erie, PA 16501

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBERS

Re: File No. ER 04-1969-049-A
DEP 537 PROGRAM: 537 Planning, Kearsarge
Pump Station Special Act 537 Study, Millcreek
Twp., Erie Co.

Dear Mr. Allender:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

Based on our survey files, which include both archaeological sites and standing structures, there are no National Register eligible or listed historic or archaeological properties in the area of this proposed project. Therefore, your responsibility for consultation with the State Historic Preservation Office for this project is complete. Should you become aware, from any source, that historic or archaeological properties are located at or near the project site, please notify the Bureau for Historic Preservation at (717) 783-8946.

Sincerely,

Kurt W. Carr, Chief
Division of Archaeology &
Protection

Cc: DEP, Northwest Regional Office

KWC/tmw

MSA-MT 2291

0120-PM-PY0003 Rev. 8/97

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CULTURAL RESOURCE NOTICE



Bar Code

Before completing this form,
read the step-by-step instructions
provided with this form

OFFICIAL USE ONLY

ID# (Assigned by State Agency) _____
Stamp Date Application Received

SECTION A. APPLICANT IDENTIFIER

Applicant Name
Millcreek Township Sewer Authority
Street Address
3608 West 26th Street
Erie PA 16506
City State Zip
Telephone Number 814-835-6721

Project Title KEARSARGE PUMP STATION SPECIAL ACT 537 STUDY

SECTION B. LOCATION OF PROJECT

Municipality Millcreek Township County Name Erie
DEP County Code 25

SECTION C. REQUEST

☐ DEP Permit ☒ DEP Approval List other permits, funding or approvals required, if known (federal/state/local).

537 Planning

Name of Specific DEP Permit or Approval Requested

SECTION D. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL AND GAS MANAGEMENT OFFICE

DEP Regional Office Responsible for Review of Permit Application

- ☐ Southeast Regional Office (Conshohocken)
☐ Southcentral Regional Office (Harrisburg)
☐ Southwest Regional Office (Pittsburgh)
☐ District Mining Office: _____

- ☐ Central Office (Harrisburg)
☐ Northeast Regional Office (Wilkes-Barre)
☐ Northcentral Regional Office (Williamsport)
☒ Northwest Regional Office (Meadville)
☐ Oil and Gas Office: _____

SECTION E. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.

Erie County Conservation District

County Conservation District

814-825-6403

Telephone Number, if known

0120-PM-PY0003 Rev. 8/97

SECTION F. CONSULTANT

Gerald C. Allender

Consultant, if applicable

Consoer Townsend Envirodyne Engineers, Inc.

Street Address

155 West 8th Street

City, State, Zip

Erie, PA 16501

Telephone Number

814-453-4394

SECTION G. PROJECT BOUNDARIES AND DESCRIPTION**REQUIRED**

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building any 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old

Attach site map, if available.

SECTION H. SIGNATURE BLOCK

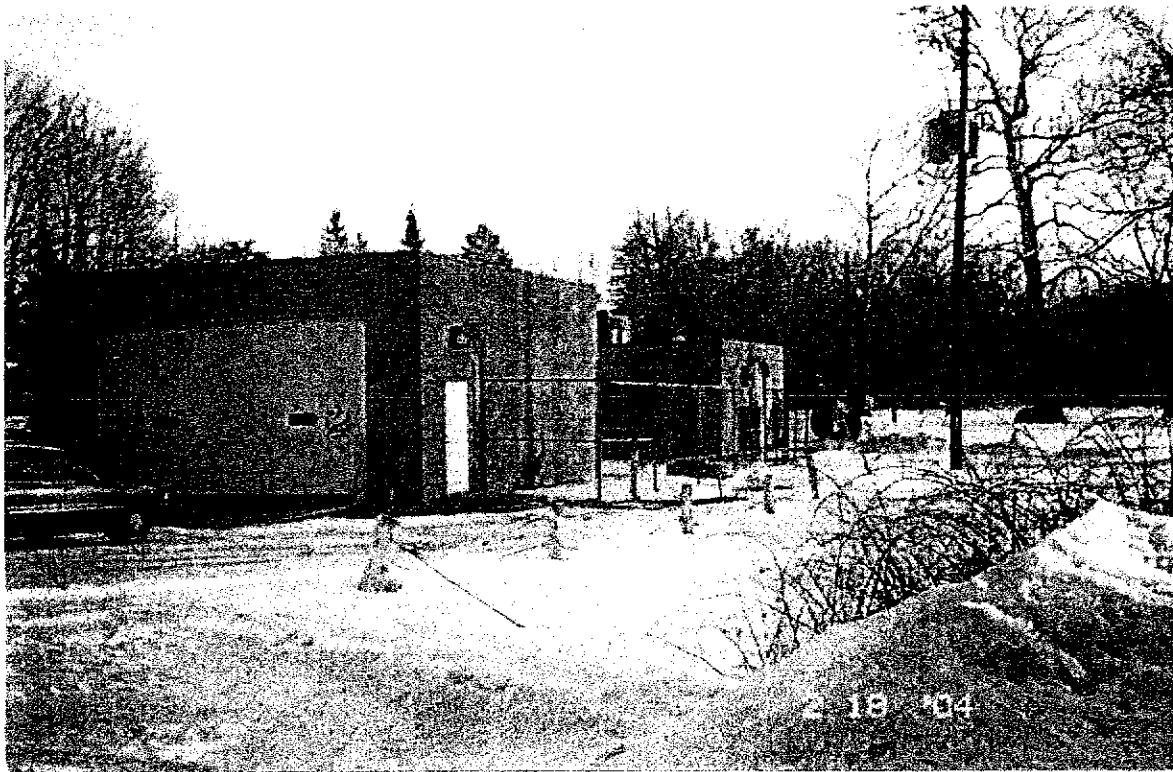
Date of Submission of Notice to PHMC

Applicant's Signature

**KEARSARGE PUMP STATION
537 SPECIAL STUDY
CULTURAL RESOURCE NOTICE
SECTION G REPORT**

The proposed project involves the construction of an approximate 100 ft. diameter 20 foot high overflow retention facility. The tank will be located either next to or 600 ft. east of an existing sewage pumping station. The nearby tank will be located in a grassy area presently which is mowed. The remote site is in a wooded area at the base of a bluff. A 7.5 minute USGS map is enclosed showing the boundaries of the proposed activity and outlining the two potential sites.

There are no buildings affected by the construction other than the pump station which is 46 years old (pictures attached). Total acreage in the property is approximately three acres with only one-half acre of total earth disturbance anticipated.



Kearsarge Pump Station

MSA-MT 2295

App. 342

0120-PM-PY0003 Rev. 8/97
CHECKLISTCOMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CULTURAL RESOURCE NOTICE

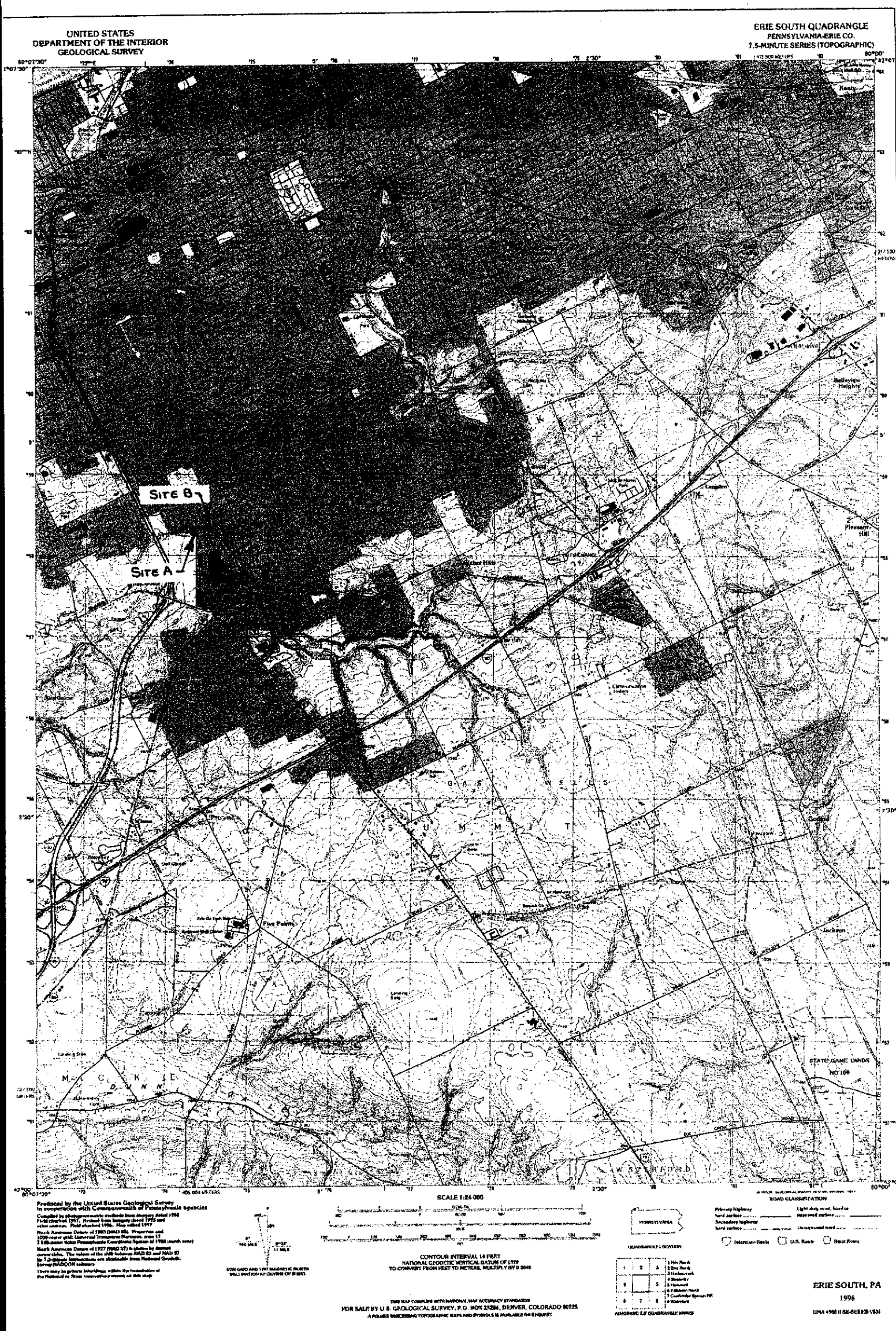
APPLICANT'S ✓ CHECKLIST

Please check the following list to make sure that you have included all the required information. Place a checkmark in the column provided for all items completed and/or provided.

Failure to provide all of the requested information will delay the processing of the application and may result in the application being placed on hold with no action, or will be considered withdrawn and the application filed closed.

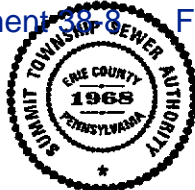
	Requirement	Check ✓ If Included
1.	Attachments, where appropriate, are included.)	
	a) Section B - Additional municipality information.	
	b) Section B - Additional county information.	
	c) Section G - 7.5' USGS Map (with defined boundaries of proposed activity).	X
	d) Section G - Narrative description of proposed activity.	X
	e) Section G - Photographs of any buildings over 50 years old. Indicate what is to be done to all buildings in the project area.	N/A
	f) Section G - Total acres in property under review. Of this acreage, total acres of earth disturbance for the proposed activity.	X
	h) Return receipt of delivery of Cultural Resource Notice to the Pennsylvania Historical and Museum Commission	X
2.	Mailings	
	a) Notice mailed to PHMC on <u>5/20/04</u>	
	b) Received Returned Receipt from PHMC on _____	
	c) Submitted application to DEP Regional, Central, District Mining or Oil and Gas Mgmt. Office on _____ with copy of Returned Receipt from PHMC as proof of submittal. or	
	d) Submitted application to County Conservation District Office _____ with copy of return receipt from PHMC as proof as submittal.	
	Requests	Check ✓ If Included
3.	Attachments requested, where appropriate, are included	
	a) Section G - Photographs of any buildings over 40 years old.	X
	b) Section G - Site maps of the proposed activity, if available.	

MSA-MT 2296



Copyright (C) 2001, Maptech, Inc.

MSA-MT 2297

**CTEE, INC.**

JUN 07 2004

RECEIVED

SUMMIT TOWNSHIP SEWER AUTHORITY
8890 Old French Road • Erie, Pennsylvania 16509-5459
Phone (814) 868-4495 • Fax (814) 866-5821

June 3, 2004

Marlin K. Coon, Chairperson
Summit Township Supervisors
8900 Old French Road
Erie, PA 16509

Re: Official Sewage Facilities Plan Update
Millcreek Township - Kearsarge Pumping Station

Dear Supervisor Coon:

Millcreek Township and the Millcreek Township Sewer Authority propose to design and construct facilities, which upgrade and expand the existing Kearsarge Pumping Station. This station is included in the Joint Transporting System as provided for in the 1994 Transporting Agreement between Millcreek Township, Summit Township and its respective Sewer Authorities. Summit Township wastewater flow from the Route 19 and Route 99 subsystems are tributary to this pumping station.

A Special Planning Study has been completed by Consoer Townsend Evirodyne Engineers, Inc. This Planning Study develops and considers various alternates and recommends a Plan that will allow the existing overflow at this pumping station to be abandoned and also remove limitations on sewer service connections in areas tributary to the Kearsarge Pumping Station. This Special Planning Study was prepared by Millcreek Township in accordance with requirements of a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection (DEP) as an official update to their Township's Official Sewage Facilities Plan under PA Act 537. In order for this planning update to be accepted and hopefully approved by DEP, the Summit Township Supervisors must modify its Official Sewage Facilities Plan to incorporate the recommendations of Millcreek's Special Study.

The Sewer Authority and the Township have been provided with copies of this draft Plan and have been requested to comment within an allotted 30 day time period. The Sewer Authority will be making detailed comments with respect to the draft Plan on or about June 7th. We welcome written comments from the Supervisors and its engineer which may be incorporated with our comments, or may be filed separately at your option. We expect that Millcreek's response to comments will be both sufficiently timely and complete so as to allow Supervisor adoption of a Resolution modifying Summit's Official Sewage Facilities Plan at the regular meeting of the Supervisors on June 21, 2004.

MSA-MT 2298

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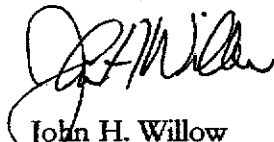
Supervisor Marlin K. Coon, Chairperson
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Attached for consideration by the Summit Township Board of Supervisors is a Resolution which we believe, when adopted, will accomplish the necessary modification of Summit Township's Official Plan. After our detailed review of the Special Study is complete, we will provide a recommendation for Resolution adoption to the Supervisors. It is anticipated that this recommendation will be made in time for adoption of a Resolution by the Supervisors on June 21, 2004.

Should you have any questions concerning this correspondence or if you can see any changes you would like made in the final Resolution draft, don't hesitate to contact us.

Sincerely,

SUMMIT TOWNSHIP SEWER AUTHORITY



John H. Willow
Authority Chairman

Encl.: Attachment: Resolution – Official Sewage Facilities Plan Modification

CC.: Millcreek Township Supervisors
Millcreek Township Sewer Authority
Jerry Allender, P.E., Project Manager, Consoer Townsend Envirodyne Engineers, Inc.
Tim Sennett, Solicitor, Knox, McLaughlin, Gornall and Sennett
George Joseph, Solicitor, Quinn, Buseck, Leemhuis, Toohey & Kroto Inc.
Douglas C. Sceiford, P.E., HEI,

MSA-MT 2299

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SUMMIT TOWNSHIP SEWER AUTHORITY
8890 Old French Road • Erie, Pennsylvania 16509-5459
Phone (814) 868-4495 • Fax (814) 866-5821

CTEE, INC
JUN 08 2004
RECEIVED

June 7, 2004

Gerry Allender, P.E.
Project Manager
Consoer Townsend Envirodyne Engineers, Inc.
155 West 8th Street
Erie, PA 16501

Re: Official Sewage Facilities Plan Update
Kearsarge Pump Station Act 537 Special Study
Millcreek Township Sewer Authority

Dear Mr. Allender:

The Summit Township Sewer Authority takes this opportunity to thank you for your comprehensive presentation of the Millcreek Township Sewer Authority's Official Sewage Facilities Plan Update at its May 27th meeting. This presentation was especially beneficial since representatives of the Summit Township Supervisors were also able to attend. This Authority and the Summit Supervisors have each had opportunity to review the subject draft Plan. This letter serves to provide detailed comments on Plan specifics and convey the Summit Township Sewer Authority's position with regard to the general approach recommended for the corrective action Plan.

Detailed Plan Review Comments:

1. The Plan should reference and incorporate flow values from the Route 99 subsystem in Summit. The Authority purchased a maximum 1.3 MGD peak flow capacity in the Millcreek Township Sewer System from this Summit subsystem.
2. The Plan uses available flow information to the best possible extent in developing the "flow ahead" and storage alternatives. The existing peak flow provided in Table S-3 utilizes the maximum 15 minute peak flow spike that has occurred in the Summit Township parshall flume metering chamber on Route 19. We do not believe that 15 minute peak flow data is available for Millcreek flow. Comparing peak flow rates such as peak day to peak hour or peak 15 minutes are not equivalent measurements. This is less important for alternative development and evaluation, but becomes very important in determining respective peak components (Summit/Millcreek) for cost sharing. No matter which method is selected, the measurement should be uniform and demonstrable for both Summit and Millcreek. Anything less than an equivalent unit of measurement is like comparing apples to oranges. In this regard, the 1994 Joint Transporting Agreement's definition of peak flow is in terms of "peak day flow" as shown on Exhibit E.

MSA-MT 2300

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However, the peak day flow listed in Exhibit E has been updated by flow values found in the current Plan. We request affirmation from Millcreek as to the definition of peak flow to be utilized for cost sharing. Further, we request a pledge from Millcreek to agree to amend our current Joint Transporting Agreement to restate the definition of peak flow, as mutually acceptable, and modify Exhibit E to reflect 2014 and ultimate flow utilized in the Special Study relating to the Kearsarge Pumping Station. We recognize that this Agreement amendment cannot not be completed quickly, which is why Millcreek Township's pledge to amend is considered sufficient for us to recommend approval of this Plan to the Summit Supervisors.

3. Table S-3 in the Plan documents provide a peak flow projection from Summit Township over the next 10 years until 2014 of 320 gallons per minute. It is our understanding this flow was developed using Summit's historic 5-year average connection level of 88 EDU's per year. Currently, Summit and Millcreek are parties to a Memorandum of Understanding (MOU) related to the DEP Consent Order and Agreement that limits Summit to 27 EDU's per year unless additional EDU's are granted by Millcreek. In fact, on March 29, 2004 the Summit Sewer Authority agreed to 88 EDUs per year and has no problem paying its share based upon this projection. However, Summit would request that Millcreek amend the MOU to provide for an annual total of 88 EDU's if these projections are used. In the alternative, if Summit is not given its full 88 EDU allocation of flow, then the cost sharing ratio must be adjusted downward to reflect the connection limitations imposed.
4. The Authority requests that during detailed design, meter instrumentation improvements be made such that flow at the Pump Station be continuously monitored and recorded in downloadable spreadsheet format for 15 minute flow intervals. This would make peak flow readings at the pumping station compatible with similar readings taken at the Summit Township Boundary.

STSA Position on recommended Plan Approach:

The Summit Township Sewer Authority concurs with the plan recommendation for a combination of increased "pump ahead" capacity and peak flow storage retention system. This Authority encourages DEP to expedite its review and approval process that will lead to the shortest possible project implementation time. The sooner a project can be completed, the least adverse water quality and economic development impacts there will be to this vital area of Millcreek and Summit Townships.

As you would expect, the Sewer Authority's greatest interest is in cost sharing for improvements made in Millcreek Township. We believe this to be adequately addressed in the 1994 Joint Transporting Agreement. Three of five Authority members currently serving on this Board actively negotiated this Agreement and have a clear understanding of its provisions and recollection of the time and effort it took to develop this Agreement. The Authority agrees to pay its fair share of costs for improvements made to the Joint Transporting System in accordance with the 1994

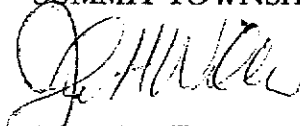
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Agreement. Based upon our Agreement and the use of comparable peak flows from each municipality, the Summit Township share of any Kearsarge Pump Station improvements, now or in the future, will likely be between 20 to 40 percent.

Again, thank you for your excellent presentation and this opportunity to review and comment on Millcreek Township's Official Sewage Facilities Planning Update.

Sincerely,

SUMMIT TOWNSHIP SEWER AUTHORITY



John H. Willow
Authority Chairman

CC.: Summit Township Supervisors
Tim Sennett, Solicitor, Knox, McLaughlin, Gornall, and Sennett
Millcreek Township Supervisors
Millcreek Township Sewer Authority
Evan E. Adair, Solicitor, Williams, and Adair
George Joseph, Solicitor, Quinn, Buseck, Leemhuis, Toohey & Kroto Inc.
Douglas C. Sceiford, P.E., HEI
File

MSA-MT 2302



155 West 8th Street

June 15, 2004

Erie, Pennsylvania 16501

Summit Township Sewer Authority
8890 Old French Road
Erie, PA 16509-5459

Phone: (814) 453 4394

Attn: John H. Willow
Authority Chairman

Fax: (814) 455 6596

Ladies/Gentlemen:

We wish to acknowledge receipt of your letter of June 7, 2004, with both detailed plan review comments and Summit Township Sewer Authority's (STSA) position on the Recommended Plan Approach. If we may, we would like to address STSA's position on the plan approach first and then the detailed plan review comments.

We note that STSA's stated position concurs with the plan recommendations. It states that the Authority agrees to pay its fair share of the costs for improvements in accordance with the 1994 Agreement based upon the use of comparable peak flows. This latter comment is addressed in greater detail in your detailed plan review comments. There you state that you desire a commitment from the Millcreek Township Sewer Authority (MTSA) to define comparable peak flows.

We have discussed your plan review comments with the MTSA and the Millcreek Township supervisors. The comments are structured in the same manner as was yours.

1. The plan will include a statement that MTSA acknowledges capacity provided Summit in Millcreek's Rt. 99 sewer. The 1.3 MGD, if utilized, is part of Summit's 3.9 MGD ultimate to Kearsarge as anticipated by CTE's letter of 3/25/04. This is not an increment to be added to the 3.9 MGD tributary to Kearsarge. We will also investigate the existing 12-inch Millcreek sewer in Peach Street

MSA-MT 2303

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